

FCC PART 22H, PART 24E MEASUREMENT AND TEST REPORT

For

CLC HONG KONG LIMITED

1011A, 10/F., Harbour Centre Tower 1, No.1 Hok Cheung St., Hung Hom, Kowloon, Hong Kong

FCC ID: 2AG4WZ404

Report Type: Product Type: Original Report Axe Plus 2 Costa day **Test Engineer:** Costa Dong Report Number: RDG160606001-00D **Report Date:** 2016-06-21 from Can Ivan Cao **Reviewed By:** Assistant Manager r Bay Area Compliance Laboratories Corp. (Dongguan) **Test Laboratory:** No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).

TABLE OF CONTENTS

Report No.: RDG160606001-00D

GENERAL INFORMATION	4
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
Objective	4
RELATED SUBMITTAL(S)/GRANT(S)	
TEST METHODOLOGY	
TEST FACILITY	
SYSTEM TEST CONFIGURATION	6
JUSTIFICATION	
EQUIPMENT MODIFICATIONS	
SUPPORT EQUIPMENT LIST AND DETAILS	
CONFIGURATION OF TEST SETUP	6 7
SUMMARY OF TEST RESULTS	
FCC §1.1310 & §2.1093- RF EXPOSURE	
APPLICABLE STANDARD	
TEST RESULT	
FCC §2.1047 - MODULATION CHARACTERISTIC	10
FCC § 2.1046, § 22.913 (A) & § 24.232 (C) - RF OUTPUT POWER	11
APPLICABLE STANDARD	
TEST PROCEDURE	
TEST EQUIPMENT LIST AND DETAILS.	
TEST DATA	
FCC §2.1049, §22.917, §22.905 & §24.238 - OCCUPIED BANDWIDTH	22
APPLICABLE STANDARD	
TEST PROCEDURE	
TEST EQUIPMENT LIST AND DETAILS	
TEST DATA	23
FCC §2.1051, §22.917(A) & §24.238(A) - SPURIOUS EMISSIONS AT ANTENNA TERMINALS	28
APPLICABLE STANDARD	28
Test Procedure	
TEST EQUIPMENT LIST AND DETAILS	
TEST DATA	29
FCC §2.1053, §22.917 & §24.238 - SPURIOUS RADIATED EMISSIONS	34
APPLICABLE STANDARD	34
Test Procedure	34
TEST EQUIPMENT LIST AND DETAILS	34
TEST DATA	35
FCC §22.917(A) & §24.238(A) - BAND EDGES	37
APPLICABLE STANDARD	
TEST PROCEDURE	
TEST EQUIPMENT LIST AND DETAILS	
TEST DATA	
FCC §2.1055, §22.355 & §24.235 - FREQUENCY STABILITY	47

Bay Area Compliance Laboratories Corp. (Dongguan)

Applicable Standard	47
Test Procedure	
TEST EQUIPMENT LIST AND DETAILS.	
Test Data	

Report No.: RDG160606001-00D

FCC Part 22H/24E Page 3 of 50

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The CLC HONG KONG LIMITED's product, model number: Z404 (FCC ID: 2AG4WZ404) (the "EUT") in this report was a Axe Plus 2, which was measured approximately: 12.4 cm (L) x 6.4cm (W) x 1.1 cm (H), rated input voltage: DC3.7V rechargeable Li-ion battery or DC5V charging from adapter.

Report No.: RDG160606001-00D

Adapter Information: MODEL: PM03

INPUT: 100-240V,50/60Hz 0.2A OUTPUT: DC5V, 500mA

All measurement and test data in this report was gathered from production sample serial number: 160606001 (Assigned by BACL, Dongguan). The EUT was received on 2016-06-07.

Objective

This report is prepared on behalf of CLC HONG KONG LIMITED. in accordance with: Part 2-Subpart J. Part 22-Subpart H, and Part 24-Subpart E of the Federal Communications Commission's rules.

The objective is to determine compliance with FCC rules for output power, modulation characteristic, occupied bandwidth, spurious emissions at antenna terminal, spurious radiated emission, frequency stability and band edge.

Related Submittal(s)/Grant(s)

FCC Part 15B JBP submissions with FCC ID: 2AG4WZ404 FCC Part 15C DSS submissions with FCC ID: 2AG4WZ404 FCC Part 15C DTS submissions with FCC ID: 2AG4WZ404

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-part J as well as the following parts:

Part 22 Subpart H - Public Mobile Services

Part 24 Subpart E - Personal Communication Services

Applicable Standards: TIA/EIA-603-D 2010.

All radiated and conducted emissions measurements were performed at Bay Area Compliance Laboratories Corp.(Dongguan).

FCC Part 22H/24E Page 4 of 50

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China

Report No.: RDG160606001-00D

Test site at Bay Area Compliance Laboratories Corp. (Dongguan) has been fully described in reports submitted to the Federal Communications Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 06, 2015.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

FCC Part 22H/24E Page 5 of 50

SYSTEM TEST CONFIGURATION

Justification

The EUT was configured for testing according to TIA/EIA-603-D 2010.

The test items were performed with the EUT operating at testing mode.

Equipment Modifications

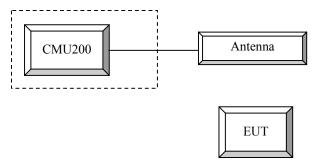
No modification was made to the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
R&S	Universial Radio Communication Tester	CMU200	109038

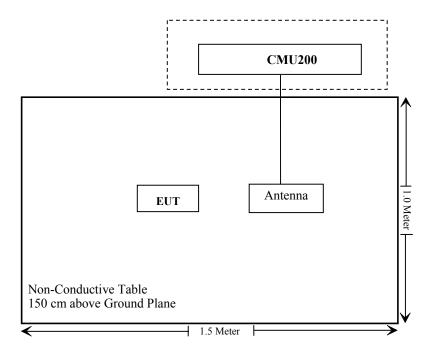
Report No.: RDG160606001-00D

Configuration of Test Setup



FCC Part 22H/24E Page 6 of 50

Block Diagram of Test Setup



Report No.: RDG160606001-00D

FCC Part 22H/24E Page 7 of 50

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1310, §2.1093	RF Exposure	Compliance
\$2.1046; \$ 22.913 (a); \$ 24.232 (c)	RF Output Power	Compliance
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; § 22.905 § 22.917; § 24.238	Occupied Bandwidth	Compliance
§ 2.1051, § 22.917 (a); § 24.238 (a)	Spurious Emissions at Antenna Terminal	Compliance
§ 2.1053 § 22.917 (a); § 24.238 (a)	Field Strength of Spurious Radiation	Compliance
§ 22.917 (a); § 24.238 (a)	Out of band emission, Band Edge	Compliance
§ 2.1055 § 22.355; § 24.235	Frequency stability vs. temperature Frequency stability vs. voltage	Compliance

Report No.: RDG160606001-00D

FCC Part 22H/24E Page 8 of 50

FCC §1.1310 & §2.1093- RF EXPOSURE

Report No.: RDG160606001-00D

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliant, please refer to the SAR report: RDG160606001-20.

FCC Part 22H/24E Page 9 of 50

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC \S 2.1047(d), Part 22H & 24E, there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

Report No.: RDG160606001-00D

FCC Part 22H/24E Page 10 of 50

FCC § 2.1046, § 22.913 (a) & § 24.232 (c) - RF OUTPUT POWER

Applicable Standard

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

Report No.: RDG160606001-00D

According to FCC §2.1046 and §24.232 (C), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications..

According to §24.232 (d) Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Test Procedure

GSM/GPRS/EGPRS

Function: Menu select > GSM Mobile Station > GSM 850/1900

Press Connection control to choose the different menus

Press RESET > choose all the reset all settings

Connection Press Signal Off to turn off the signal and change settings

Network Support > GSM + GPRS or GSM + EGSM

Main Service > Packet Data

Service selection > Test Mode A – Auto Slot Config. off

MS Signal Press Slot Config Bottom on the right twice to select and change the number of time slots and power setting

> Slot configuration > Uplink/Gamma

> 33 dBm for GPRS 850

> 30 dBm for GPRS 1900

> 27 dBm for EGPRS 850

> 26 dBm for EGPRS 1900

BS Signal Enter the same channel number for TCH channel (test channel) and BCCH channel

Frequency Offset > + 0 Hz

Mode > BCCH and TCH

BCCH Level > -85 dBm (May need to adjust if link is not stable)

BCCH Channel > choose desire test channel [Enter the same channel number for TCH channel (test

channel) and BCCH channel]

Channel Type > Off

FCC Part 22H/24E Page 11 of 50

P0 > 4 dB

Slot Config > Unchanged (if already set under MS signal)

TCH > choose desired test channel

Hopping > Off Main Timeslot > 3

Network Coding Scheme > CS4 (GPRS) and MCS5 (EGPRS)

Bit Stream > 2E9-1 PSR Bit Stream

AF/RF Enter appropriate offsets for Ext. Att. Output and Ext. Att. Input Connection Press Signal on to turn on the signal and change settings

WCDMA-Release 99

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification. The EUT has a nominal maximum output power of 24dBm (+1.7/-3.7).

Report No.: RDG160606001-00D

	Loopback Mode	Test Mode 1	
WCDMA	Rel99 RMC	12.2kbps RMC	
WCDMA General Settings	Power Control Algorithm	Algorithm2	
	βc / βd	8/15	

WCDMA HSDPA

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification.

	Mode	HSDPA	HSDPA	HSDPA	HSDPA	
	Subset	1	2	3	4	
	Loopback Mode			Test Mode		
	Rel99 RMC		-	12.2kbps RM	IC .	
	HSDPA FRC			H-Set1		
WCDMA	Power Control Algorithm			Algorithm2	2	
WCDMA General	βς	2/15	12/15	15/15	15/15	
Settings	βd	15/15	15/15	8/15	4/15	
Settings	βd (SF)	64				
	βc/ βd	2/15	12/15	15/8	15/4	
	βhs	4/15	24/15	30/15	30/15	
	MPR(dB)	0	0	0.5	0.5	
	DACK			8		
	DNAK			8		
HCDDA	DCQI	8				
HSDPA Specific Settings	Ack-Nack repetition factor	3				
Settings	CQI Feedback			4ms		
	CQI Repetition Factor			2		
	Ahs=βhs/βc			30/15		

FCC Part 22H/24E Page 12 of 50

WCDMA HSUPA

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification.

Report No.: RDG160606001-00D

	Mode	HSUPA	HSUPA	HSUPA	HSUPA	HSUPA		
	Subset	1	2	3	4	5		
	Loopback Mode	Test Mode 1						
	Rel99 RMC		1	2.2kbps RM	C			
	HSDPA FRC H-Set1							
	HSUPA Test		HS	UPA Loopba	ack			
WCDM	Power Control	Algorithm2						
A	Algorithm	11/15 6/15 15/15 2/15						
General	βc βd	15/15	15/15	9/15	15/15	15/15		
Settings		209/225	13/13		2/15	5/15		
8	βec			30/15		3/13		
	βc/βd	11/15	6/15	15/9	2/15 4/15	5/15		
	βhs	22/15	12/15	30/15				
	CM(dB) MPR(dB)	1.0	3.0	2.0	3.0	1.0		
	DACK	Ŭ.	_	8		Ů		
	DNAK			8				
	DCQI			8				
HSDPA	Ack-Nack repetition							
Specific	factor	3	3					
Settings	CQI Feedback	4ms						
8	CQI Repetition							
	Factor	2						
	Ahs=βhs/ βc			30/15				
	DE-DPCCH	6	8	8	5	7		
	DHARQ	0	0	0	0	0		
	AG Index	20	12	15	17	21		
	ETFCI	75	67	92	71	81		
	Associated Max UL Data Rate kbps	242.1	174.9	482.8	205.8	308.9		
HSUPA Specific Settings	Reference E_FCls	E-TFCI 11 E E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO23 E-TFCI 75 E-TFCI PO26 E-TFCI 81 E-TFCI PO 27		E-TFCI 11 E-TFCI PO4 E-TFCI 92 E-TFCI PO 18	E-TFC E-TFC E-TFC E-TFC E-TFC E-TFC E-TFC	I PO23 CI 75 I PO26		

FCC Part 22H/24E Page 13 of 50

HSPA+

The following tests were conducted according to the test requirements in Table C.11.1.4 of 3GPP TS 34.121-1

Sub- test	β _c (Note3)	β _d	βнs (Note1)	βес	β _{ed} (2xSF2) (Note 4)	β _{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	(Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	β _{ed} 1: 30/15 β _{ed} 2: 30/15	β _{ed} 3: 24/15 β _{ed} 4: 24/15	3.5	2.5	14	105	105
Note 1: Δ_{ACK} , Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c . Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).											
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.											
Note 4: β _{ed} can not be set directly; it is set by Absolute Grant Value.											
Note 5	Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. F-DCH TTL is set to 2ms TTL and F-DCH table index = 2. To support these F-DCH										

Report No.: RDG160606001-00D

DC-HSDPA

The following tests were conducted according to the test requirements in Table C.8.1.12 of 3GPP TS 34.121-1

configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

Table C.8.1.12: Fixed Reference Channel H-Set 12

	Parameter	Unit	Value			
Nominal	Avg. Inf. Bit Rate	kbps	60			
Inter-TTI	Distance	TTI's	1			
Number	of HARQ Processes	Proces	6			
		ses	0			
Informati	on Bit Payload (N_{INF})	Bits	120			
Number	Code Blocks	Blocks	1			
Binary C	hannel Bits Per TTI	Bits	960			
Total Ava	ailable SML's in UE	SML's	19200			
Number	of SML's per HARQ Proc.	SML's	3200			
Coding F	Rate		0.15			
Number	of Physical Channel Codes	Codes	1			
Modulati	on		QPSK			
Note 1:	Note 1: The RMC is intended to be used for DC-HSDPA					
mode and both cells shall transmit with identical						
parameters as listed in the table.						
Note 2:	Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and					

constellation version 0 shall be used.

Radiated method:

ANSI/TIA-603-D section 2.2.17

FCC Part 22H/24E Page 14 of 50

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02
Sunol Sciences	Antenna	JB3	A060611-3	2014-07-28	2017-07-27
HP	Amplifier	8447E	2434A02181	2015-09-01	2016-09-01
R&S	Spectrum Analyzer	FSEM	DE23437	2015-11-23	2016-11-22
ETS LINDGREN	Horn Antenna	3115	9808-5557	2015-09-06	2018-09-06
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	2016-02-19	2017-02-19
Giga	Signal Generator	E8247C	MY4332135 0	2014-10-16	2016-10-15
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
TDK RF	Horn Antenna	HRN-0118	130 084	2015-09-06	2018-09-06
N/A	Coaxial Cable	14m	N/A	2016-05-06	2017-05-06
N/A	Coaxial Cable	8m	N/A	2016-05-06	2017-05-06
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
E-Microwave	DC Blocking	EMDCB-00036	0E01201047	2016-05-06	2017-05-06
E-Microwave	Attenuator	EMCA10-5RN	OE01203239	2016-05-06	2017-05-06
Pasternack	RF Coaxial Cable	RF-01	N/A	2016-05-06	2017-05-06
Pasternack	RF Coaxial Cable	RF-02	N/A	2016-05-06	2017-05-06
N/A	Two-way Spliter	ODP-1-6-2S	OE0120142	2016-05-06	2017-05-06

Report No.: RDG160606001-00D

Test Data

Environmental Conditions

Temperature:	27.7°C
Relative Humidity:	68%
ATM Pressure:	99.9kPa

The testing was performed by Costa Dong on 2016-06-12.

FCC Part 22H/24E Page 15 of 50

^{*} **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Conducted Output Power

Cellular Band (Part 22H) & PCS Band (Part 24E)

Report No.: RDG160606001-00D

	Channel	Peak Output Power (dBm)				
Band	No.	GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot
	128	32.57	32.38	31.83	29.90	28.76
Cellular	190	32.53	32.24	31.68	29.78	28.57
	251	32.35	32.17	31.53	29.54	28.34
	512	30.35	30.34	29.51	27.24	25.96
PCS	661	30.05	30.04	29.28	27.10	25.81
	810	30.01	29.97	29.31	27.50	26.24

WCDMA Band II (PART 24E)

			Avei	age Output	Power (dB	m)	
Mode	3GPP Sub Test	Low Channel (Ave. Power)	Low Channel (PAR)	Middle Channel (Ave. Power)	Middle Channel (PAR)	High Channel (Ave. Power)	High Channel (PAR)
Rel 99	1	22.25	2.96	22.08	3.00	21.90	2.84
	1	21.77	2.91	21.58	2.87	21.39	2.88
HSDPA	2	21.63	2.88	21.54	2.87	21.41	2.74
HSDPA	3	21.60	2.92	21.83	2.88	21.37	2.84
	4	21.66	2.87	21.91	2.95	21.39	2.90
	1	21.79	2.91	21.6	3.02	21.38	2.75
	2	21.68	2.83	21.68	2.98	21.37	2.84
HSUPA	3	21.67	2.82	21.65	3.08	21.45	2.73
	4	21.71	2.91	21.77	2.94	21.48	2.81
	5	21.64	2.87	21.73	2.95	21.48	2.70
	1	21.77	2.83	21.69	2.88	21.42	2.89
DC HCDD 4	2	21.65	2.88	21.60	3.03	21.48	2.75
DC-HSDPA	3	21.56	2.83	21.45	3.04	21.46	2.87
	4	21.51	2.92	21.59	2.93	21.48	2.92
HSPA+ (16QAM)	1	21.56	2.88	21.70	2.89	21.41	2.70

FCC Part 22H/24E Page 16 of 50

WCDMA Band V (PART 22H)

Report No.: RDG160606001-00D

			Aver	age Output	Power (dB	m)	
Mode	3GPP Sub Test	Low Channel (Ave. Power)	Low Channel (PAR)	Middle Channel (Ave. Power)	Middle Channel (PAR)	High Channel (Ave. Power)	High Channel (PAR)
Rel 99	1	22.49	3.00	22.35	3.04	22.19	3.08
	1	21.52	3.05	21.31	2.99	21.1	2.95
HCDDA	2	21.39	2.99	21.29	3.03	21.11	3.13
HSDPA	3	21.39	3.00	21.27	3.00	21.12	2.98
	4	21.47	2.87	21.29	2.96	21.12	3.10
	1	21.52	3.03	21.31	2.96	21.17	3.13
	2	21.43	2.84	21.25	2.97	21.07	2.97
HSUPA	3	21.28	3.06	21.24	2.93	21.06	2.98
	4	21.33	2.96	21.19	2.91	21.09	3.08
	5	21.27	2.88	21.20	3.03	20.99	2.95
	1	21.17	2.94	21.08	2.90	20.99	3.11
DC HCDDA	2	21.05	2.91	21.21	3.10	21.00	2.98
DC-HSDPA	3	21.14	3.05	21.08	3.06	21.11	2.92
	4	21.06	3.02	21.10	2.92	21.05	2.94
HSPA+ (16QAM)	1	21.10	2.96	21.00	2.92	21.13	2.92

Note: peak-to-average ratio (PAR) <13 dB.

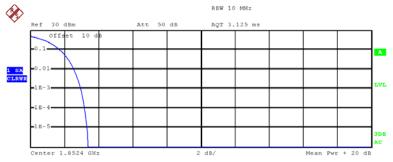
FCC Part 22H/24E Page 17 of 50

Peak-to-average ratio (PAR)

WCDMA Band II (PART 24E)

Low Channel

Report No.: RDG160606001-00D



Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 22.76 dBm
Peak 26.16 dBm
Crest 3.39 dB

10 % 1.76 dB
1 % 2.56 dB

2.96 dB

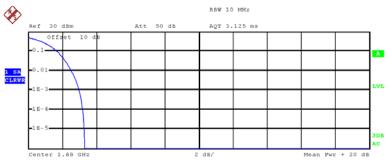
3.20 dB

Date: 12.JUN.2016 16:01:04

.1 %

.01 %

Middle Channel



Complementary Cumulative Distribution Function (100000 samples) ${\tt Trace} \quad 1$

Peak 25.17 dBm Crest 3.29 dB

10 % 1.72 dB 1 % 2.52 dB .1 % 3.00 dB .01 % 3.20 dB

Mean

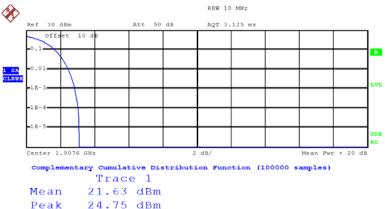
21.88 dBm

Date: 12.JUN.2016 16:00:26

FCC Part 22H/24E Page 18 of 50

High Channel

Report No.: RDG160606001-00D



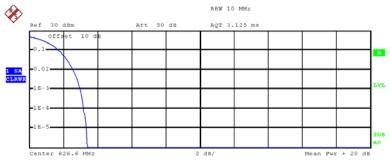
Peak 24.75 dBm Crest 3.11 dB

1 % 2.48 dB .1 % 2.84 dB .01 % 3.04 dB

Date: 12.JUN.2016 16:00:06

WCDMA Band V (PART 22H)

Low Channel



Complementary Cumulative Distribution Function (100000 samples) ${\tt Trace} \ \ 1$

Mean 22.19 dBm Peak 25.59 dBm Crest 3.40 dB 10 % 1.76 dB 1 % 2.56 dB

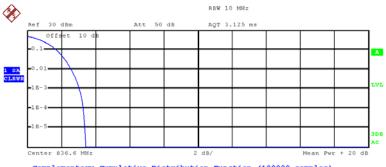
.1 % 3.00 dB .01 % 3.20 dB

Date: 12.JUN.2016 16:13:07

FCC Part 22H/24E Page 19 of 50

Middle Channel

Report No.: RDG160606001-00D



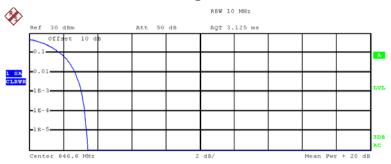
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 21.60 dBm
Peak 25.03 dBm
Crest 3.43 dB

10 % 1.72 dB 1 % 2.60 dB .1 % 3.04 dB .01 % 3.28 dB

Date: 12.JUN.2016 16:12:43

High Channel



Complementary Cumulative Distribution Function (100000 samples) ${\tt Trace} \quad 1$

Trace 1
Mean 21.75 dBm
Peak 25.17 dBm
Crest 3.42 dB

10 % 1.80 dB 1 % 2.68 dB .1 % 3.08 dB .01 % 3.24 dB

Date: 12.JUN.2016 16:12:08

FCC Part 22H/24E Page 20 of 50

ERP & EIRP

Part 22H

Report No.: RDG160606001-00D

		D:	Sı	ubstituted Me	thod	Alexalesta				
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)		
GSM 850_Middle Channel										
836.600	Н	94.14	19.2	0.0	1	18.2	38.45	20.3		
836.600	V	103.22	31.4	0.0	1	30.4	38.45	8.1		
WCDMA Band V_Middle Channel										
836.600	Н	85.82	10.9	0.0	1	9.9	38.45	28.6		
836.600	V	95.79	24	0.0	1	23.0	38.45	15.5		

Part 24E

		D	Sı	Substituted Method							
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)			
	PCS 1900_Middle Channel										
1880.000	Н	90.83	19.2	11.7	1.4	29.5	33.0	3.5			
1880.000	V	91.41	20	11.7	1.4	30.3	33.0	2.7			
	WCDMA Band II_Middle Channel										
1880.000	Н	82.63	11	11.7	1.4	21.3	33.0	11.7			
1880.000	V	85.76	14.3	11.7	1.4	24.6	33.0	7.4			

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = SG Level Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

FCC Part 22H/24E Page 21 of 50

FCC §2.1049, §22.917, §22.905 & §24.238 - OCCUPIED BANDWIDTH

Report No.: RDG160606001-00D

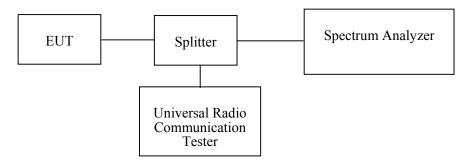
Applicable Standard

FCC §2.1049, §22.917 and §22.905, §24.238.

Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The 26 dB & 99% bandwidth was recorded.



Test Equipment List and Details

Manufacturer	Description	escription Model Serial Number		Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2015-11-23	2016-11-22
R&S	Spectrum Analyzer	FSEM	831259/019	2015-07-28	2016-07-27
R&S	Universal Radio Communication Tester	CMU200	109 038	2015-07-28	2016-07-27
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
E-Microwave	DC Blocking	EMDCB- 00036	0E01201047	2016-05-06	2017-05-06
E-Microwave	Attenuator	EMCA10- 5RN	OE01203239	2016-05-06	2017-05-06
Pasternack	RF Coaxial Cable	RF-01	N/A	2016-05-06	2017-05-06
Pasternack	RF Coaxial Cable	RF-02	N/A	2016-05-06	2017-05-06
N/A	Two-way Spliter	ODP-1-6-2S	OE0120142	2016-05-06	2017-05-06

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

FCC Part 22H/24E Page 22 of 50

Test Data

Environmental Conditions

Temperature:	27.7°C
Relative Humidity:	68%
ATM Pressure:	99.9kPa

The testing was performed by Costa Dong on 2016-06-12.

Test Mode: Transmitting

Test Result: Compliant. Please refer to the following table and plots.

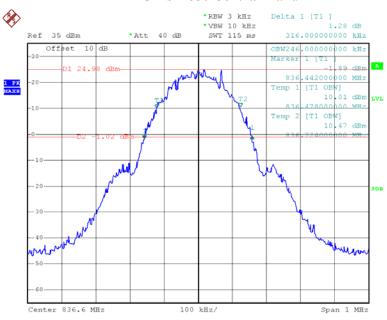
Band	Channel No.	Mode	99% Occupied Bandwidth	26 dB Occupied Bandwidth
			MHz	MHz
Cellular	190	GSM	0.246	0.316
PCS	661	PCS	0.246	0.314
WCDMA Band	9400	Rel 99	4.160	4.700
TT	9400	HSDPA	4.140	4.720
11	9400	HSUPA	4.160	4.700
WCDMA D. 1	4183	Rel 99	4.160	4.700
WCDMA Band	4183	HSDPA	4.160	4.680
V	4183	HSUPA	4.160	4.700

Report No.: RDG160606001-00D

FCC Part 22H/24E Page 23 of 50

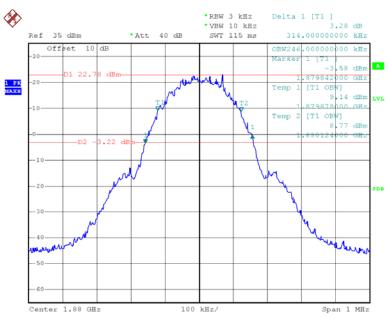
GMSK 850 Cellular Band

Report No.: RDG160606001-00D



Date: 12.JUN.2016 15:03:52

GMSK PCS Band

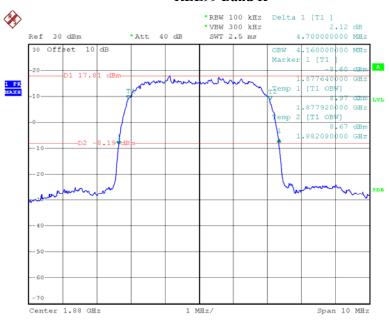


Date: 12.JUN.2016 15:23:00

FCC Part 22H/24E Page 24 of 50

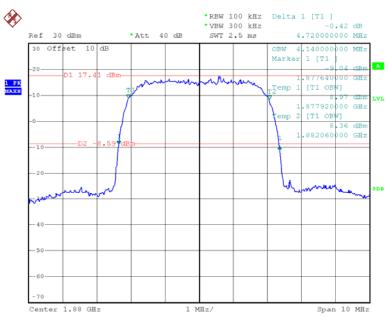
REL99 Band II

Report No.: RDG160606001-00D



Date: 12.JUN.2016 15:45:01

HSDPA Band II

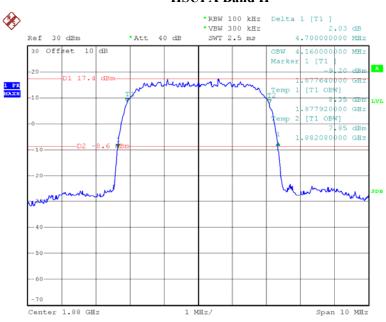


Date: 12.JUN.2016 15:46:09

FCC Part 22H/24E Page 25 of 50

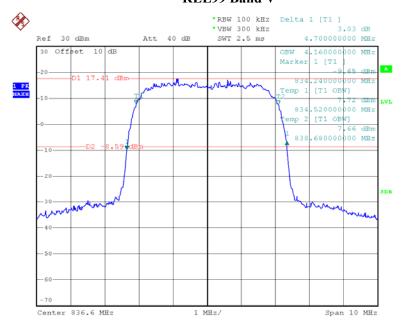
HSUPA Band II

Report No.: RDG160606001-00D



Date: 12.JUN.2016 15:48:07

REL99 Band V

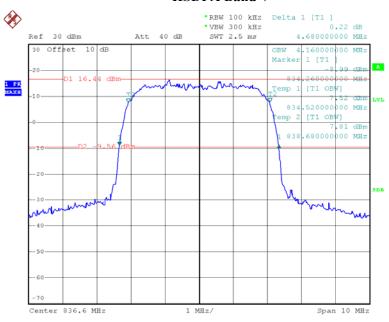


Date: 12.JUN.2016 16:00:31

FCC Part 22H/24E Page 26 of 50

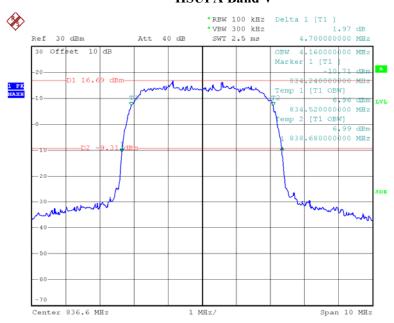
HSDPA Band V

Report No.: RDG160606001-00D



Date: 12.JUN.2016 16:05:48

HSUPA Band V



Date: 12.JUN.2016 16:04:34

FCC Part 22H/24E Page 27 of 50

FCC §2.1051, §22.917(a) & §24.238(a) - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Report No.: RDG160606001-00D

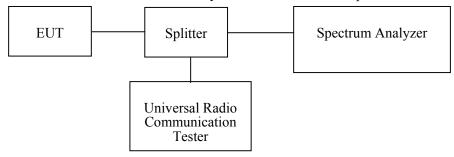
Applicable Standard

FCC §2.1051, §22.917(a) and §24.238(a).

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. Sufficient scans were taken to show any out of band emissions up to 10^{th} harmonic.



Test Equipment List and Details

Manufacturer	Description	Description Model Serial Number		Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2015-11-23	2016-11-22
R&S	Spectrum Analyzer	FSEM	831259/019	2015-07-28	2016-07-27
R&S	Universal Radio Communication Tester	CMU200	109 038	2015-07-28	2016-07-27
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
E-Microwave	DC Blocking	EMDCB- 00036	0E01201047	2016-05-06	2017-05-06
E-Microwave	Attenuator	EMCA10- 5RN	OE01203239	2016-05-06	2017-05-06
Pasternack	RF Coaxial Cable	RF-01	N/A	2016-05-06	2017-05-06
Pasternack	RF Coaxial Cable	RF-02	N/A	2016-05-06	2017-05-06
N/A	Two-way Spliter	ODP-1-6-2S	OE0120142	2016-05-06	2017-05-06

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

FCC Part 22H/24E Page 28 of 50

Test Data

Environmental Conditions

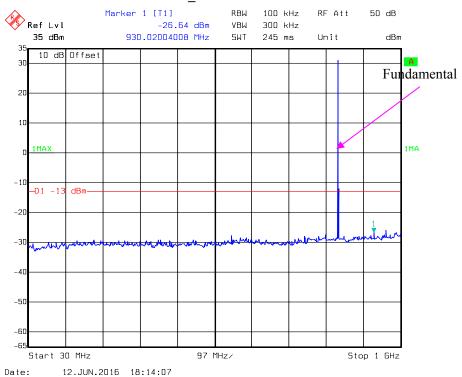
Temperature:	28.5°C
Relative Humidity:	51%
ATM Pressure:	99.9kPa

The testing was performed by Costa Dong on 2016-06-12.

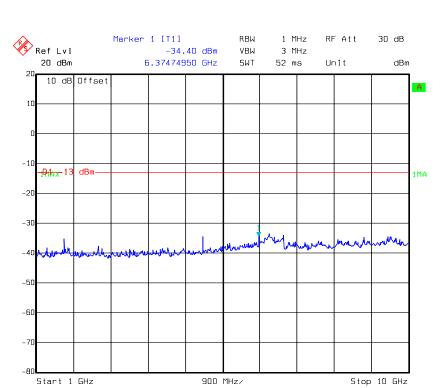
Please refer to the following plots.

GSM850_Middle Channel

Report No.: RDG160606001-00D



FCC Part 22H/24E Page 29 of 50

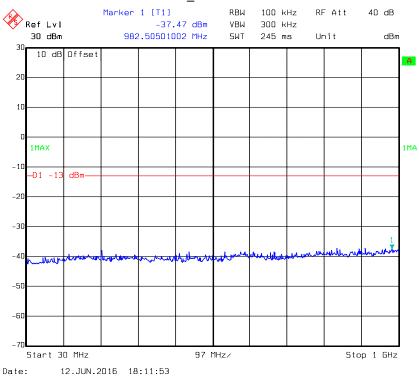


Report No.: RDG160606001-00D

PCS 1900_ Middle Channel

12.JUN.2016 18:14:56

Date:



FCC Part 22H/24E Page 30 of 50

Start 1 GHz

Date:

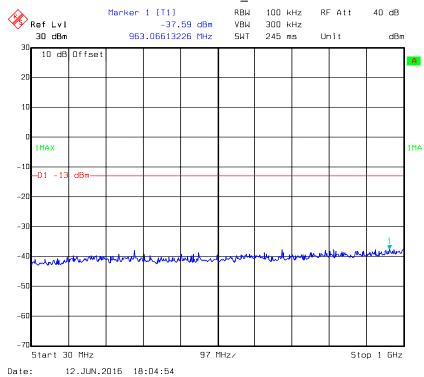
12.JUN.2016 18:11:19

Report No.: RDG160606001-00D

Stop 20 GHz

WCDMA REL99 Band II_ Middle Channel

1.9 GHz/

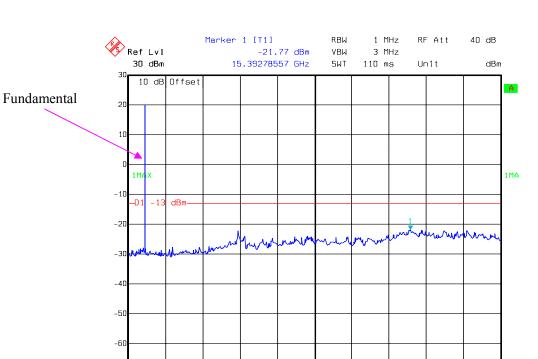


FCC Part 22H/24E Page 31 of 50

Start 1 GHz

Date:

12.JUN.2016 18:06:10

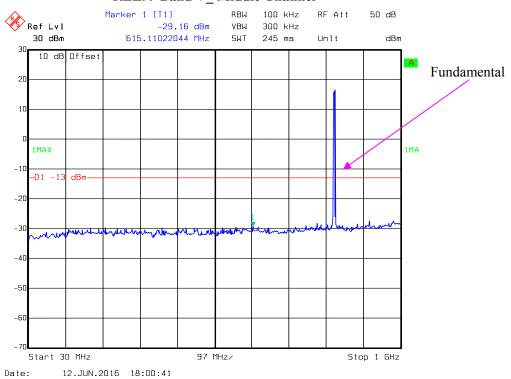


Report No.: RDG160606001-00D

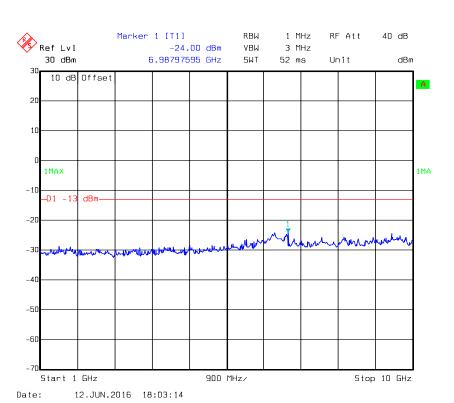
Stop 20 GHz

REL99 Band V_ Middle Channel

1.9 GHz/



FCC Part 22H/24E Page 32 of 50



Report No.: RDG160606001-00D

FCC Part 22H/24E Page 33 of 50

FCC §2.1053, §22.917 & §24.238 - SPURIOUS RADIATED EMISSIONS

Report No.: RDG160606001-00D

Applicable Standard

FCC § 2.1053, §22.917 and § 24.238.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in $dB = 10 \lg (TXpwr in Watts/0.001) - the absolute level$

Spurious attenuation limit in $dB = 43 + 10 \text{ Log}_{10}$ (power out in Watts)

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02
Sunol Sciences	Antenna	ЈВ3	A060611-3	2014-11-06	2017-11-05
HP	Amplifier	8447E	2434A02181	2015-09-01	2016-09-01
R&S	Spectrum Analyzer	FSEM	DE31388	2015-11-23	2016-11-22
ETS LINDGREN	Horn Antenna	3115	9808-5557	2015-09-06	2018-09-06
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	2016-02-19	2017-02-19
Giga	Signal Generator	E8247C	MY43321350	2014-10-16	2016-10-15
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
TDK RF	Horn Antenna	HRN-0118	130 084	2015-09-06	2018-09-06
N/A	Coaxial Cable	14m	N/A	2016-05-06	2017-05-06
N/A	Coaxial Cable	8m	N/A	2016-05-06	2017-05-06
N/A	Coaxial Cable	2m	N/A	2016-05-06	2017-05-06
Mini Circuit	High Pass Filter	VHF-3100+	31251	2016-05-06	2017-05-06
Mini Circuit	High Pass Filte	VHF-1200+	N/A	2016-05-06	2017-05-06

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

FCC Part 22H/24E Page 34 of 50

Test Data

Environmental Conditions

Temperature:	26.4°C
Relative Humidity:	73%
ATM Pressure:	99.9kPa

The testing was performed by Costa Dong on 2016-06-18.

EUT Operation Mode: Transmitting

Cellular Band (PART 22H)

Report No.: RDG160606001-00D

30 MHz-10 GHz:

		D .	Sı	ıbstituted Me	thod	Absolute		
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Level (dBm)	Limit (dBm)	Margin (dB)
			GSM, Fre	quency: 836.0	6 MHz			
1673.200	Н	49.05	-52	10.6	1.5	-42.9	-13.0	29.9
1673.200	V	48.71	-52.7	10.6	1.5	-43.6	-13.0	30.6
2509.800	Н	52.67	-45.4	13.1	2.8	-35.1	-13.0	22.1
2509.800	V	50.47	-46.6	13.1	2.8	-36.3	-13.0	23.3
149.310	Н	33.36	-74.3	0.0	0.4	-74.7	-13.0	61.7
396.600	V	32.18	-60.9	0.0	0.6	-61.5	-13.0	48.5
		W	CDMA R99	Frequency: 8	336.6 MHz			
1673.200	Н	40.11	-61	10.6	1.5	-51.9	-13.0	38.9
1673.200	V	39.94	-61.4	10.6	1.5	-52.3	-13.0	39.3
2509.800	Н	42.69	-55.3	13.1	2.8	-45.0	-13.0	32.0
2509.800	V	41.26	-55.8	13.1	2.8	-45.5	-13.0	32.5
149.310	Н	33.69	-74	0.0	0.4	-74.4	-13.0	61.4
396.600	V	31.87	-61.2	0.0	0.6	-61.8	-13.0	48.8

FCC Part 22H/24E Page 35 of 50

PCS Band (PART 24E)

Report No.: RDG160606001-00D

30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			A11 4.		
			S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
GSM, Frequency: 1880 MHz								
3760.000	Н	47.14	-47.2	13.8	2.9	-36.3	-13.0	23.3
3760.000	V	42.26	-50.8	13.8	2.9	-39.9	-13.0	26.9
5640.000	Н	41.03	-50.7	14.0	2.1	-38.8	-13.0	25.8
5640.000	V	39.17	-52.5	14.0	2.1	-40.6	-13.0	27.6
149.310	Н	34.02	-73.6	0.0	0.4	-74.0	-13.0	61.0
396.600	V	32.60	-60.5	0.0	0.6	-61.1	-13.0	48.1
WCDMA R99, Frequency: 1880 MHz								
3760.000	Н	46.21	-48.1	13.8	2.9	-37.2	-13.0	24.2
3760.000	V	45.29	-47.8	13.8	2.9	-36.9	-13.0	23.9
5640.000	Н	48.37	-43.3	14.0	2.1	-31.4	-13.0	18.4
5640.000	V	45.13	-46.5	14.0	2.1	-34.6	-13.0	21.6
149.310	Н	33.45	-74.2	0.0	0.4	-74.6	-13.0	61.6
396.600	V	32.62	-60.5	0.0	0.6	-61.1	-13.0	48.1

Note:

FCC Part 22H/24E Page 36 of 50

¹⁾ The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.

²⁾ Absolute Level = SG Level - Cable loss + Antenna Gain

³⁾ Margin = Limit-Absolute Level

FCC §22.917(a) & §24.238(a) - BAND EDGES

Applicable Standard

According to $\S 22.917(a)$, the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P) \, dB$.

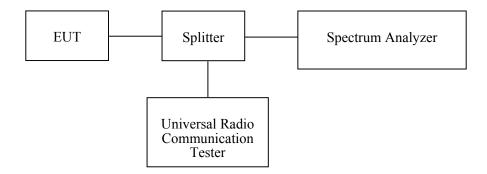
Report No.: RDG160606001-00D

According to \$24.238(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSEM	831259/019	2015-07-28	2016-07-27
R&S	Universal Radio Communication Tester	CMU200	109 038	2015-07-28	2016-07-27
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
E-Microwave	DC Blocking	EMDCB- 00036	0E01201047	2016-05-06	2017-05-06
E-Microwave	Attenuator	EMCA10- 5RN	OE01203239	2016-05-06	2017-05-06
Pasternack	RF Coaxial Cable	RF-01	N/A	2016-05-06	2017-05-06
Pasternack	RF Coaxial Cable	RF-02	N/A	2016-05-06	2017-05-06
N/A	Two-way Spliter	ODP-1-6-2S	OE0120142	2016-05-06	2017-05-06

^{*} **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to National Primary Standards and International System of Units (SI).

FCC Part 22H/24E Page 37 of 50

Test Data

Environmental Conditions

Temperature:	27.7°C
Relative Humidity:	68%
ATM Pressure:	99.9kPa

Report No.: RDG160606001-00D

The testing was performed by Costa Dong on 2016-06-12.

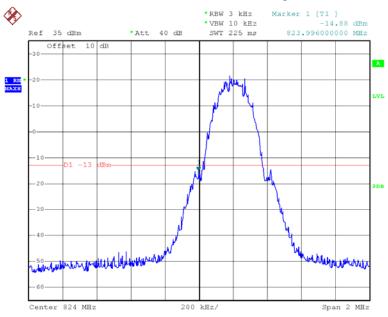
Test Mode: Transmitting

Test Result: Compliant. Please refer to the following plots.

FCC Part 22H/24E Page 38 of 50

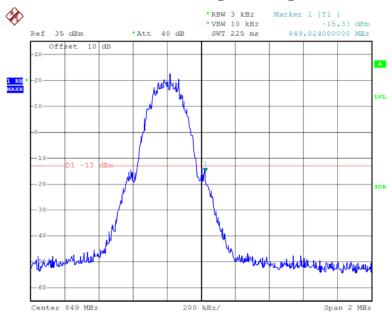
GSM 850, Left Band Edge

Report No.: RDG160606001-00D



Date: 12.JUN.2016 15:07:12

GSM 850, Right Band Edge

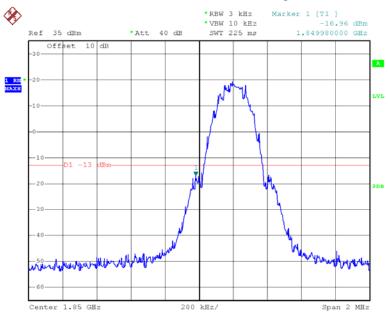


Date: 12.JUN.2016 15:09:14

FCC Part 22H/24E Page 39 of 50

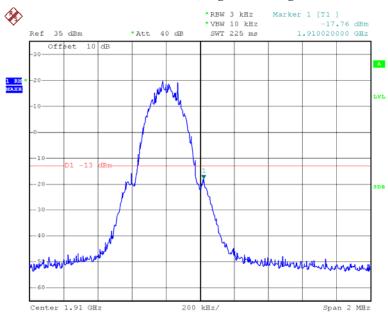
PCS 1900, Left Band Edge

Report No.: RDG160606001-00D



Date: 12.JUN.2016 15:26:45

PCS 1900, Right Band Edge

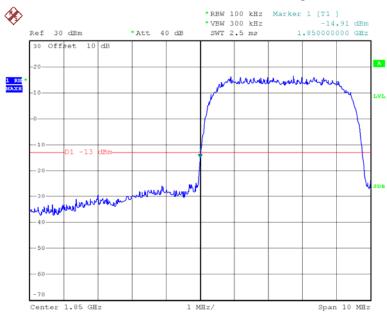


Date: 12.JUN.2016 15:28:48

FCC Part 22H/24E Page 40 of 50

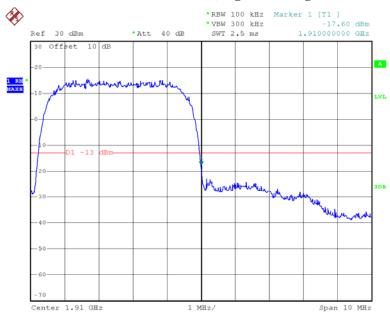
REL99 Band II, Left Band Edge

Report No.: RDG160606001-00D



Date: 12.JUN.2016 15:51:02

REL99 Band II, Right Band Edge

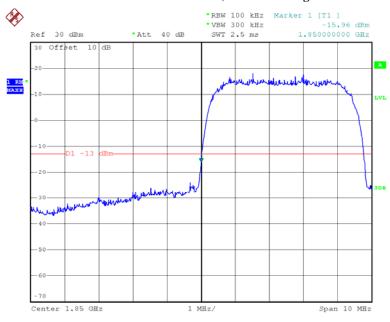


Date: 12.JUN.2016 15:51:57

FCC Part 22H/24E Page 41 of 50

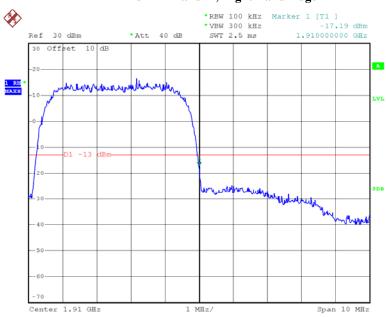
HSDPA Band II, Left Band Edge

Report No.: RDG160606001-00D



Date: 12.JUN.2016 15:50:45

HSDPA Band II, Right Band Edge

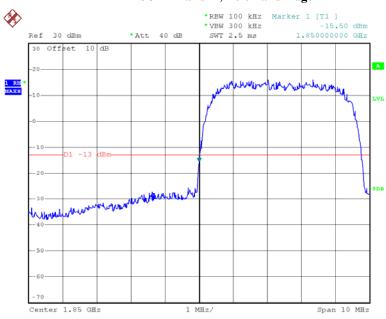


Date: 12.JUN.2016 15:51:25

FCC Part 22H/24E Page 42 of 50

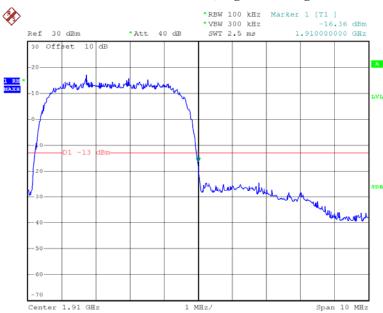
HSUPA Band II, Left Band Edge

Report No.: RDG160606001-00D



Date: 12.JUN.2016 15:50:51

HSUPA Band II, Right Band Edge

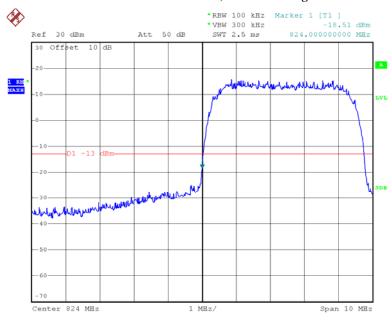


Date: 12.JUN.2016 15:51:37

FCC Part 22H/24E Page 43 of 50

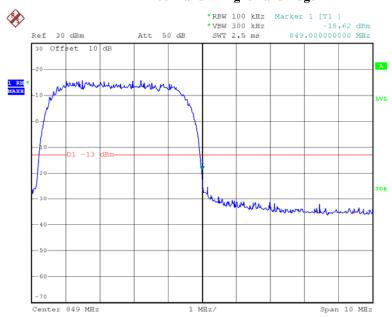
REL99 Band V, Left Band Edge

Report No.: RDG160606001-00D



Date: 12.JUN.2016 16:12:16

REL99 Band V Right Band Edge

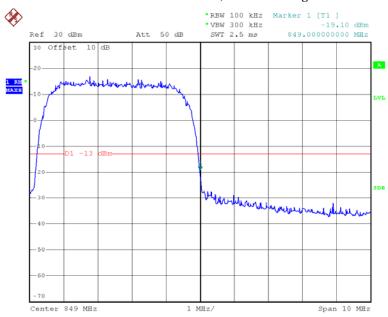


Date: 12.JUN.2016 16:11:19

FCC Part 22H/24E Page 44 of 50

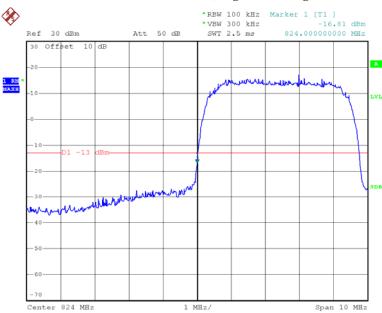
HSDPA Band V, Left Band Edge

Report No.: RDG160606001-00D



Date: 12.JUN.2016 16:11:51

HSDPA Band V, Right Band Edge

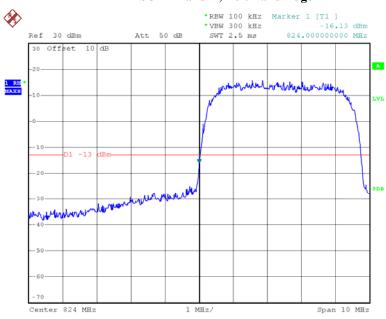


Date: 12.JUN.2016 16:12:40

FCC Part 22H/24E Page 45 of 50

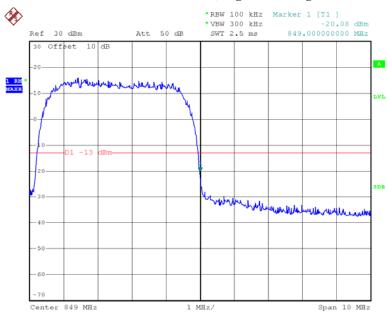
HSUPA Band V, Left Band Edge

Report No.: RDG160606001-00D



Date: 12.JUN.2016 16:12:24

HSUPA Band V, Right Band Edge



Date: 12.JUN.2016 16:11:30

FCC Part 22H/24E Page 46 of 50

FCC §2.1055, §22.355 & §24.235 - FREQUENCY STABILITY

Applicable Standard

FCC § 2.1055 (a), § 2.1055 (d), §22.355, §24.235

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

		c Mobile Services

Report No.: RDG160606001-00D

Frequency Range (MHz)	Base, fixed (ppm)	Mobile > 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

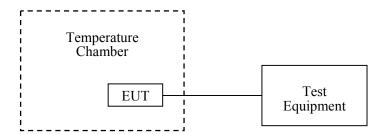
According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: An external variable DC power supply was connected to the battery terminals of the equipment under test. The voltage was set from 85% to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the battery end point. The output frequency was recorded for each battery voltage.



FCC Part 22H/24E Page 47 of 50

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Dongzhixu	High Temperature Test Chamber	DP1000	201105083-4	2015-09-10	2016-09-09
R&S	Universal Radio Communication Tester	CMU200	109 038	2015-07-28	2016-07-27
UNI-T	Multimeter	UT39A	M130199938	2016-04-02	2017-04-02
Pasternack	RF Coaxial Cable	RF-01	/	2016-05-06	2017-05-06

Report No.: RDG160606001-00D

Test Data

Environmental Conditions

Temperature:	27.7°C
Relative Humidity:	68%
ATM Pressure:	99.9kPa

The testing was performed by Costa Dong on 2016-06-12.

Cellular Band (Part 22H)

GMSK, Middle Channel, f _c = 836.6 MHz					
Temperature	Voltage	Frequency Error	Frequency Error	Limit	
°C	V_{DC}	Hz	ppm	ppm	
-30		-16	-0.019		
-20		-17	-0.020		
-10		-18	-0.022		
0		-13	-0.016		
10	3.7	-14	-0.017		
20		-11	-0.013	2.5	
30		-11	-0.013		
40		-12	-0.014		
50		-9	-0.011		
25	3.6	1	0.001		
25	4.3	-12	-0.014		

FCC Part 22H/24E Page 48 of 50

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Middle Channel, f _c = 836.6 MHz					
Temperature	Voltage	Frequency Error	Frequency Error	Limit	
${\mathbb C}$	V_{DC}	Hz	ppm	ppm	
-30		2	0.001		
-20		6	0.005		
-10		9	0.011		
0		8	0.007		
10	3.7	9	0.010		
20		-3	-0.006	2.5	
30		-4	-0.005		
40		14	0.012		
50		-5	-0.006		
25	3.6	-8	-0.002		
25	4.3	-2	-0.004		

Report No.: RDG160606001-00D

PCS Band (Part 24E)

GMSK, Middle Channel, f _c = 1880.0 MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Result
${\mathbb C}$	V _{DC}	Hz	ppm	
-30		-12	-0.003	
-20		-4	-0.001	
-10		-11	-0.004	
0		8	-0.001	
10	3.7	-14	-0.006	
20		-13	-0.005	Compliance
30		-1	0.000	
40		-16	-0.007	
50		-2	0.000	
25	3.6	3	-0.005	
23	4.3	-12	-0.004	

FCC Part 22H/24E Page 49 of 50

WCDMA Band II: Re199

Middle Channel, f _c = 1880.0 MHz					
Temperature	Voltage	Frequency Error	Frequency Error	Result	
ပ	V_{DC}	Hz	ppm		
-30		2	0.000		
-20		6	0.003		
-10		2	0.001		
0		10	-0.002		
10	3.7	3	0.002		
20		6	-0.002	Compliance	
30		-2	-0.002		
40		-6	-0.003		
50		10	0.003		
25	3.6	-3	0.004		
25	4.3	15	0.005		

Report No.: RDG160606001-00D

***** END OF REPORT *****

FCC Part 22H/24E Page 50 of 50